

## Object position detector

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**Inventor:** ALLEN TIMOTHY P; GILLESPIE DAVID; MILLER ROBERT J; STEINBACH GUNTER  
**Applicant:** SYNAPTICS INC  
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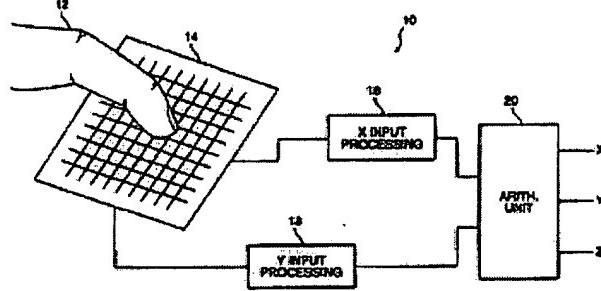
**Also published as:**

- WO9607981 (A1)
- EP0777888 (A1)
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Abstract not available for AU3544495

Abstract of correspondent: **WO9607981**

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object or objects to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by digital circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed.



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